

US EPA RECORDS CENTER REGION 5



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U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Arrow Roofing and Supply Fire - Removal Polrep
 Initial and Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V

Subject: POLREP #1
 Final
 Arrow Roofing and Supply Fire
 Traverse City, MI
 Latitude: 44.7586971 Longitude: -85.6136822

To: Brian Flickinger, MDEQ
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From: Ralph Dollhopf, OSC

Date: 2/7/2013

Reporting Period: 1/29/13 through 2/7/13

1. Introduction

1.1 Background

| | | |
|-------------------------------------|--------------------------------|-----------|
| Site Number: | Contract Number: | |
| D.O. Number: | Action Memo Date: | |
| Response Authority: CERCLA | Response Type: | Emergency |
| Response Lead: PRP | Incident Category: | |
| NPL Status: Non NPL | Operable Unit: | |
| Mobilization Date: 1/29/2013 | Start Date: | 1/29/2013 |
| Demob Date: 2/7/2013 | Completion Date: | 2/28/2013 |
| CERCLIS ID: | RCRIS ID: | |
| ERNS No.: | State Notification: | |
| FPN#: | Reimbursable Account #: | |

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

Arrow Roofing and Sheet Metal is a commercial property located at 520 Wellington Street in Traverse City Michigan. The site is utilized as an office, storage, and light manufacturing facility for roofing components. Storage includes roofing material (sheet metal, fiberboard, mastic, primer, bonding agent, etc.), tools, equipment, records, etc. The property includes 0.75 acres and one approximately 70' x 105' building. The western boundary of the property is the Boardman River, a tributary to West Grand Traverse Bay.

1.1.2.1 Location

520 Wellington Street, Traverse City, Grand Traverse County, Michigan

1.1.2.2 Description of Threat

Runoff (including chemical constituents of products stored in the site building) from the site building fire fighting effort and recent precipitation entering the Boardman River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Chemical containers stored in the site building were damaged by the site fire. Runoff from the site appears to have entered the Boardman River.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On January 28, 2013, a fire was called into the Traverse City Fire Department at approximately 1630. The fire was located at the Arrow Roofing and Sheet Metal facility at 520 Wellington Street in Traverse City Michigan. After more than 5 hours on the scene, Traverse City firefighters were able to contain the blaze and save a portion of the inside of the business, but there was widespread smoke and water damage. Initial reports indicate there were four pallets each with 45 four gallon pails containing Thermal Plastic Polyolefins (TPO) which were destroyed. The Boardman River which is a tributary to West Grand Traverse Bay is located approximately 150 feet from the building. Following the fire the fire department noted some of their fire suppressant foam made it to the river. A National Response Center Report was filed by the Traverse City Fire Department and the EPA notified. The EPA OSC requested START personnel from the Traverse City office to mobilize to the site at 1215 on 1/29/2013. START personnel were on site at 1302 1/29/2013. START personnel role is to document site activities, conduct air monitoring for site personnel, and provide support to the TC Fire Dept.

2.1.2 Response Actions to Date

- 1335 1/29/13 Michigan Department of Environmental Quality (MDEQ) personnel arrived on site and collected surface water samples from four locations on the Boardman River.
- 1520 1/29/13 Northern A-1 removed standing water from the west end of the site property utilizing a vac truck and placed debris (from the fire) from the parking lot adjacent to the west end of the site building into a lined roll-off box. Surface soils from the west end of the property which were visibly impacted were scraped with a skid-steer and placed into the roll-off box as well.
- 1640 - 1830 1/29/13 Northern A-1 constructed a plastic lined containment berm of sand around the western end of the site building and adjacent parking lot to contain runoff from the site building and chemical container storage area. A sorbent boom was also placed outside the berm to collect sheen from runoff which may not be captured by the berm.
- 1800 1/29/13 START personnel conducted perimeter air monitoring with a Multi-Rae. The highest reading recorded was 3.0 ppm VOCs, oxygen was 20.9%, LEL was 0%.
- 0858 1/30/13 START personnel conducted perimeter air monitoring with Multi-Rae. No VOC detections were noted.
- 0920 1/30/13 Site building access was granted to non fire department personnel by Structural Engineer Ross Art.

- 0945 1/30/13 START personnel entered the site building with Traverse City Fire Department (TCFD) personnel and conducted air monitoring. Entry was conducted in Level D PPE. The highest breathing space VOC concentration noted was 5.5ppm. A concentration of 203ppm VOC was detected under a tarp which had been previously placed by TCFD personnel over the primary storage area of chemical containers.
- 1040 1/30/13 START personnel collected two samples of sludge/debris from the site building floor for headspace analysis. Multi-Rae readings of the headspace of the sample jars ranged from 20.9ppm VOCs to 231ppm VOCs.
- 1415 1/30/13 START personnel conducted air monitoring in the site building as Northern A-1 removed chemical containers. Breached containers were placed in 55-gallon drums and the drums placed in a lined roll-off box, intact containers were placed directly into the roll-off box. The highest concentration of VOCs noted in the breathing space during the removal activity was 209ppm at the area of storage. The surrounding area in the site building was monitored and breathing space concentrations were noted as high as 56.9ppm VOCs.
- 1710 1/30/13 Northern A-1 completed removal of chemical containers from the site building after an inspection by TCFD personnel.
- 1030 - 1645 1/31/13 Northern A-1 removed debris from the site building which appeared to have been contaminated with the site chemicals and placed the debris in lined roll-off boxes and 55-gallon drums as appropriate.
- 0815 - 1655 1/31/13 START personnel conducted air monitoring in the immediate vicinity of the site building and within the site building, assisted Northern A-1 and the TCFD in determining areas of the site building requiring debris removal, and continued to assist in ensuring contamination originating from the site building was not impacting the adjacent Boardman River.
- 0845 - 1220 2/1/13 Northern A-1 completed the containerization of potentially impacted debris from the site building. Large pieces of debris were placed in lined roll-off boxes which are staged on site and sludge/debris from the site building floor was containerized in 55-gallon drums which are stored in the site building.
- 0816 - 1230 2/1/13 START personnel conducted air monitoring in the site building and immediately surrounding vicinity prior to, during, and after the site work by Northern A-1. VOC concentrations in the the breathing space within the site building were as high as 455ppm during the site work. After site work was completed the highest concentration of VOCs noted in the breathing space was 10.9.
- 1300 2/1/13 The containment berm constructed on 1/29/13 remains in place surrounding the western end of the site building. The berm shall remain in place until containerized debris is removed and the building demolition or rebuilding conducted.
- 0848 2/5/13 START personnel on-site to document removal of 3 roll-off boxes containing site building debris and chemical storage containers. Drums and an additional roll-off remained on-site for later removal pending analytical results. Site berm remained intact.
- 1400 2/7/13 START personnel documented Northern A-1 removal of the remaining roll-off box and drums from the Site. All debris believed to have been impacted by the release of chemical products stored on site has been containerized and removed from the site by Northern A-1. A total of 77 drums containing listed hazardous material as well as three 20-yard roll-off boxes and 25 drums containing material determined to be non-hazardous were removed from the site by Northern A-1. The containment berm still remains intact on the site. A final round of air monitoring indicated no detections of VOCs within or surrounding the building.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

| <i>Waste Stream</i> | <i>Medium</i> | <i>Quantity</i> | <i>Manifest #</i> | <i>Treatment</i> | <i>Disposal</i> |
|---------------------|---------------|-----------------|-------------------|------------------|-----------------|
| run-off | water | unk | | | |
| debris | solids | unk | | | |
| | | | | | |

2.2 Planning Section

2.2.1 Anticipated Activities

None

2.2.1.1 Planned Response Activities**2.2.1.2 Next Steps****2.2.2 Issues****2.3 Logistics Section**

No information available at this time.

2.4 Finance Section**Estimated Costs ***

| | Budgeted | Total To Date | Remaining | % Remaining |
|-------------------------|--------------------|-------------------|-------------------|---------------|
| Extramural Costs | | | | |
| TAT/START | \$10,000.00 | \$8,931.46 | \$1,068.54 | 10.69% |
| Intramural Costs | | | | |
| | | | | |
| Total Site Costs | \$10,000.00 | \$8,931.46 | \$1,068.54 | 10.69% |

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities**3.1 Unified Command****3.2 Cooperating Agencies**

U.S. Environmental Protection Agency
 Traverse City Fire Department
 Michigan Department of Environmental Quality
 U.S. Coast Guard
 Arrow Roofing Supply Co.
 Northern A-1

4. Personnel On Site

U.S. EPA: Ralph Dollhopf
 U.S. EPA START Contractors: Brian Ross and Eric Benson
 Northern A-1: Robert Scott and additional staff TBD
 USCG: Mike Thompson, Kevin Moe, Morgan Gambino
 TCFD: Brian Snyder, Jim Tuller
 Arrow Roofing: Brian Krombeen and staff TBD
 Michigan DEQ: Brian Flickenger, Audrie Kirk, Ryan Blazic

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.



01/30/2013

